

Contents

VOLUME 18, NUMBER 1, MARCH 1993

Introduction: International Workshop on Solutions to Environmental Problems at the Institute of Marine Ecology, University of Sydney, 21-24 April 1992 <i>A. J. Underwood and P. G. Fairweather</i>	1
Links between ecology and ecophilosophy, ethics and the requirements of environmental management <i>P. G. Fairweather</i>	3
Improvement of environmental impact analysis by application of principles derived from manipulative ecology: Lessons from coastal marine case histories <i>C. H. Peterson</i>	21
Dynamic models and large scale field experiments in environmental impact assessment and management <i>C. J. Walters</i>	53
Environmental impact studies on marine communities: Pragmatical considerations <i>R. M. Warwick</i>	63
Application of repeated measures designs in environmental impact and monitoring studies <i>R. H. Green</i>	81
The mechanics of spatially replicated sampling programmes to detect environmental impacts in a variable world <i>A. J. Underwood</i>	99
Non-parametric multivariate analyses of changes in community structure <i>K. R. Clarke</i>	117

VOLUME 18, NUMBER 2, JUNE 1993

The ecological impact of <i>Phytophthora cinnamomi</i> in the Stirling Range National Park, Western Australia <i>R. T. Wills</i>	145
Palaeoecological analysis of an isolated stand of <i>Nothofagus cunninghamii</i> (Hook.) Oerst. in eastern Tasmania <i>K. J. Harle, A. P. Kershaw, M. K. MacPhail and M. G. Neyland</i>	161
Genetic diversity in an ant-dispersed chenopod <i>Sclerolaena diacantha</i> <i>R. Peakall, I. Oliver, C. L. Turnbull and A. J. Beattie</i>	171
The biodiversity of arthropods from Australian rainforest canopies: General introduction, methods, sites and ordinal results <i>R. L. Kitching, J. M. Bergelson, M. D. Lowman, S. McIntyre and G. Carruthers</i>	181
Interspecific competition: A mechanism for rodent succession after fire in wet heathland <i>P. Higgs and B. J. Fox</i>	193
Relationship between types of prey captured and growth form in <i>Drosera</i> in southwestern Australia <i>N. A. M. Verbeek and R. Boasson</i>	203
Pollen as a marker for migration of <i>Helicoverpa armigera</i> and <i>H. punctigera</i> (Lepidoptera: Noctuidae) from western Queensland <i>P. C. Gregg</i>	209

Relationship between nectar production and yearly and spatial variation in density and nesting of resident honeyeaters in heathland near Sydney <i>G. H. Pyke, P. J. O'Connor and H. F. Recher</i>	221
Short note: Filtering rates of <i>Daphnia carinata</i> King (Crustacea: Cladocera) on the blue-green algae <i>Microcystis aeruginosa</i> Kütz. and <i>Anabaena cylindrica</i> (Lemm.) <i>T. Kobayashi</i>	231
Short note: Establishment of two dry monsoon forest tree species on a fire-protected monsoon forest — savanna boundary, Cobourg Peninsula, northern Australia <i>D. M. J. S. Bowman</i>	235
Short note: The real story of Bridge Hill: A response to Buckney and Morrison (1992) <i>J. W. Lewis and A. Clements</i>	239
Short note: The complete story of Bridge Hill is yet to be told: A reply to Lewis and Clements <i>R. T. Buckney and D. A. Morrison</i>	245
Thesis abstracts	249
Book reviews	252

VOLUME 18, NUMBER 3, SEPTEMBER 1993

An assessment of pollinator visitation to <i>Banksia spinulosa</i> <i>S. M. Carthew</i>	257
Use of heathland and adjoining forest by honeyeaters: Results of a radiotracking study <i>G. H. Pyke and P. J. O'Connor</i>	269
Variation between <i>Emex australis</i> populations in seed dormancy/non-dormancy cycles <i>F. D. Panetta and R. P. Randall</i>	275
Water relations of the canopy species in a <i>Banksia</i> woodland, Swan Coastal Plain, Western Australia <i>J. Dodd and D. T. Bell</i>	281
Water relations of understorey shrubs in a <i>Banksia</i> woodland, Swan Coastal Plain, Western Australia <i>J. Dodd and D. T. Bell</i>	295
The intertidal distribution of the grey mangrove (<i>Avicennia marina</i>) in southeastern Australia: The effects of physical conditions, interspecific competition and predation on propagule establishment and survival <i>P. J. Clarke and P. J. Myerscough</i>	307
A comparison of two methods for sampling assemblages of subterranean, wood-eating termites (Isoptera) <i>M. Abensperg-Traun</i>	317
Floristics and soil relations of upland swamp vegetation near Sydney <i>D. A. Keith and P. J. Myerscough</i>	325
Regeneration and growth of coolibah, <i>Eucalyptus coolabah</i> subsp. <i>arida</i> , a riparian tree, in the Cooper Creek region of South Australia <i>J. Roberts</i>	345
Preliminary environmental reconstructions from late Quaternary pollen and mollusc assemblages at Egg Lagoon, King Island, Bass Strait <i>D. M. D'Costa, J. Grindrod and R. Ogden</i>	351
Thesis abstracts	367
Book reviews	371

VOLUME 18, NUMBER 4, DECEMBER 1993

Litter inputs to a tropical Australian rainforest stream <i>L. J. Benson and R. G. Pearson</i>	377
Recolonization by Collembola of rehabilitated bauxite mines in Western Australia <i>P. Greenslade and J. D. Majer</i>	385
Population increase and nesting patterns of the black noddy <i>Anous minutus</i> in <i>Pisonia</i> forest on Heron Island: Observations in 1978, 1979 and 1992 <i>J. Ogden</i>	395
Influence of successional stage of <i>Eucalyptus regnans</i> (mountain ash) on habitat use by reptiles in the Central Highlands, Victoria <i>G. W. Brown and J. L. Nelson</i>	405
Germination and seedling development of two mistletoes, <i>Amyema preissii</i> and <i>Lysiana exocarpi</i> : Host specificity and mistletoe-host compatibility <i>Z. Yan</i>	419
Distributional patterns of herpetofauna in monsoon rainforests of the Northern Territory, Australia <i>N. Gambold and J. C. Z. Woinarski</i>	431
Differential habitat affinities of five species of fruitpiercing moths (Lepidoptera: Noctuidae) in their utilization of <i>Tinospora smilacina</i> Benth. as a larval host plant in north Queensland <i>H. A. C. Fay and K. H. Halpapp</i>	451
Threats to monsoon rainforest habitat in northern Australia: The case of <i>Ptychosperma bleeseri</i> Burret (Arecaceae) <i>P. Barrow, G. Duff, D. Liddle and J. Russell-Smith</i>	463
Thesis abstracts	473
Book reviews	477
Referees	481
Author index	482